

01PE

CRF Errors Corrected by the STIC Systems Branch

Serial Number: 09/853,918

CRF Processing Date: 6/18/2001

Edited by:

Verified by:

(STIC staff)

ENTERED

☐

Changed a file from non-ASCII to ASCII

☐

Changed the margins in cases where the sequence text was "wrapped" down to the next line.

☐

Edited a format error in the Current Application Data section, specifically:

☐

Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____

☐

Added the mandatory heading and subheadings for "Current Application Data".

☐

Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐

Changed the spelling of a mandatory field (the headings or subheadings), specifically:

☐

Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

☐

Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

☐

Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

☐

Inserted colons after headings/subheadings. Headings edited included:

☐

Deleted extra, invalid, headings used by an applicant, specifically:

☐

Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____

☐

Inserted mandatory headings, specifically:

☐

Corrected an obvious error in the response, specifically:

☐

Edited identifiers where upper case is used but lower case is required, or vice versa.

☐

Corrected an error in the Number of Sequences field, specifically:

☐

A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐

Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

☒

Other:

Seqs 62-63,65 - corrected (3077) response

Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

RAW SEQUENCE LISTING

DATE: 06/18/2001

PATENT APPLICATION: US/09/853,918

TIME: 15:37:31

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\06182001\I853918.raw

5 <110> APPLICANT: Krystek, Stanley R.
7 Sheriff, Steven
9 Witmer, Mark R.
11 Hollenbaugh, Diane L.
13 Yan, Ning
15 Mouravieff, Julie E.
17 Einspahr, Howard M.
19 Kish, Kevin
23 <120> TITLE OF INVENTION: MODIFIED INOSINE 5'-MONOPHOSPHATE DEHYDROGENASE
25 POLYPEPTIDES AND USES THEREOF
29 <130> FILE REFERENCE: DB24NP
C--> 33 <140> CURRENT APPLICATION NUMBER: US/09/853,918
35 <141> CURRENT FILING DATE: 2001-05-10
39 <150> PRIOR APPLICATION NUMBER: 60/203,448
41 <151> PRIOR FILING DATE: 2000-05-10
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49 <170> SOFTWARE: PatentIn Ver. 2.0
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59 <213> ORGANISM: Homo sapiens
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67 1
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77 <212> TYPE: PRT
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87 1
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99 <213> ORGANISM: Homo sapiens
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107 1
113 <210> SEQ ID NO: 4
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117 <212> TYPE: PRT
119 <213> ORGANISM: Homo sapiens
123 <400> SEQUENCE: 4
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127 1
133 <210> SEQ ID NO: 5
135 <211> LENGTH: 3

RAW SEQUENCE LISTING

DATE: 06/18/2001

PATENT APPLICATION: US/09/853,918

TIME: 15:37:31

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\06182001\I853918.raw

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159 <213> ORGANISM: Homo sapiens
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165 Ile Val Asp
167 1
173 <210> SEQ ID NO: 7
175 <211> LENGTH: 3
177 <212> TYPE: PRT
179 <213> ORGANISM: Homo sapiens
183 <400> SEQUENCE: 7
185 Ala Leu Phe
187 1
193 <210> SEQ ID NO: 8
195 <211> LENGTH: 3
197 <212> TYPE: PRT
199 <213> ORGANISM: Homo sapiens
203 <400> SEQUENCE: 8
205 Ser Pro Thr
207 1
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217 <212> TYPE: PRT
219 <213> ORGANISM: Homo sapiens
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259 <213> ORGANISM: Homo sapiens
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265 Gly Ser Ser Trp
267 1
273 <210> SEQ ID NO: 12
275 <211> LENGTH: 4

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/853,918

DATE: 06/18/2001

TIME: 15:37:31

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\06182001\I853918.raw

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297 <212> TYPE: PRT
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307 1
313 <210> SEQ ID NO: 14
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387 1
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397 <212> TYPE: PRT
399 <213> ORGANISM: Homo sapiens
403 <400> SEQUENCE: 18
405 Asn Ser Pro Leu
407 1
413 <210> SEQ ID NO: 19
415 <211> LENGTH: 4

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/853,918

DATE: 06/18/2001

TIME: 15:37:31

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\06182001\I853918.raw

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433 <210> SEQ ID NO: 20
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439 <213> ORGANISM: Homo sapiens
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451 Gly Leu Thr Ala Gln Gln Leu Phe Asn Cys Gly Asp Gly Leu Thr Tyr
453 20 25 30
457 Asn Asp Phe Leu Ile Leu Pro Gly Tyr Ile Asp Phe Thr Ala Asp Gln
459 35 40 45
463 Val Asp Leu Thr Ser Ala Leu Thr Lys Lys Ile Thr Leu Lys Thr Pro
465 50 55 60
469 Leu Val Ser Ser Pro Met Asp Thr Val Thr Glu Ala Gly Met Ala Ile
471 65 70 75 80
475 Ala Met Ala Leu Thr Gly Gly Ile Gly Phe Ile His His Asn Cys Thr
477 85 90 95
481 Pro Glu Phe Gln Ala Asn Glu Val Arg Lys Val Lys Lys Tyr Asp Lys
483 100 105 110
487 Thr Leu Leu Cys Gly Ala Ala Ile Gly Thr His Glu Asp Asp Lys Tyr
489 115 120 125
493 Arg Leu Asp Leu Leu Ala Gln Ala Gly Val Asp Val Val Val Leu Asp
495 130 135 140
499 Ser Ser Gln Gly Asn Ser Ile Phe Gln Ile Asn Met Ile Lys Tyr Ile
501 145 150 155 160
505 Lys Asp Lys Tyr Pro Asn Leu Gln Val Ile Gly Gly Asn Val Val Thr
507 165 170 175
511 Ala Ala Gln Ala Lys Asn Leu Ile Asp Ala Gly Val Asp Ala Leu Arg
513 180 185 190
517 Val Gly Met Gly Ser Gly Ser Ile Cys Ile Thr Gln Glu Val Leu Ala
519 195 200 205
523 Cys Gly Arg Pro Gln Ala Thr Ala Val Tyr Lys Val Ser Glu Tyr Ala
525 210 215 220
529 Arg Arg Phe Gly Val Pro Val Ile Ala Asp Gly Gly Ile Gln Asn Val
531 225 230 235 240
535 Gly His Ile Ala Lys Ala Leu Ala Leu Gly Ala Ser Thr Val Met Met
537 245 250 255
541 Gly Ser Leu Leu Ala Ala Thr Thr Glu Ala Pro Gly Glu Tyr Phe Phe
543 260 265 270
547 Ser Asp Gly Ile Arg Leu Lys Lys Tyr Arg Gly Met Gly Ser Leu Asp
549 275 280 285
553 Ala Met Asp Lys His Leu Ser Ser Gln Asn Arg Tyr Phe Ser Glu Ala
555 290 295 300
559 Asp Lys Ile Lys Val Ala Gln Gly Val Ser Gly Ala Val Gln Asp Lys

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DATE: 06/18/2001

PATENT APPLICATION: US/09/853,918

TIME: 15:37:31

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\06182001\I853918.raw

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565 Gly Ser Ile His Lys Phe Val Pro Tyr Leu Ile Ala Gly Ile Gln His
567          325          330          335
571 Ser Cys Gln Asp Ile Gly Ala Lys Ser Leu Thr Gln Val Arg Ala Met
573          340          345          350
577 Met Tyr Ser Gly Glu Leu Lys Phe Glu Lys Arg Thr Ser Ser Ala Gln
579          355          360          365
583 Val Glu Gly Gly Val His Ser Leu His Ser Tyr Glu Lys Arg Leu Phe
585          370          375          380
597 <210> SEQ ID NO: 21
599 <211> LENGTH: 384
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615 Gly Leu Thr Ala Gln Gln Leu Phe Asn Cys Gly Asp Gly Leu Thr Tyr
617          20          25          30
621 Asn Asp Phe Leu Ile Leu Pro Gly Tyr Ile Asp Phe Thr Ala Asp Gln
623          35          40          45
627 Val Asp Leu Thr Ser Ala Leu Thr Lys Lys Ile Thr Leu Lys Thr Pro
629          50          55          60
633 Leu Val Ser Ser Pro Met Asp Thr Val Thr Glu Ala Gly Met Ala Ile
635 65          70          75          80
639 Ala Met Ala Leu Thr Gly Gly Ile Gly Phe Ile His His Asn Cys Thr
641          85          90          95
645 Pro Glu Phe Gln Ala Asn Glu Val Arg Lys Val Lys Lys Tyr Thr Pro
647          100          105          110
651 Ile Leu Leu Cys Gly Ala Ala Ile Gly Thr His Glu Asp Asp Lys Tyr
653          115          120          125
657 Arg Leu Asp Leu Leu Ala Gln Ala Gly Val Asp Val Val Val Leu Asp
659          130          135          140
663 Ser Ser Gln Gly Asn Ser Ile Phe Gln Ile Asn Met Ile Lys Tyr Ile
665 145          150          155          160
669 Lys Asp Lys Tyr Pro Asn Leu Gln Val Ile Gly Gly Asn Val Val Thr
671          165          170          175
675 Ala Ala Gln Ala Lys Asn Leu Ile Asp Ala Gly Val Asp Ala Leu Arg
677          180          185          190
681 Val Gly Met Gly Ser Gly Ser Ile Cys Ile Thr Gln Glu Val Leu Ala
683          195          200          205
687 Cys Gly Arg Pro Gln Ala Thr Ala Val Tyr Lys Val Ser Glu Tyr Ala
689          210          215          220
693 Arg Arg Phe Gly Val Pro Val Ile Ala Asp Gly Gly Ile Gln Asn Val
695 225          230          235          240
699 Gly His Ile Ala Lys Ala Leu Ala Leu Gly Ala Ser Thr Val Met Met
701          245          250          255
705 Gly Ser Leu Leu Ala Ala Thr Thr Glu Ala Pro Gly Glu Tyr Phe Phe
707          260          265          270
711 Ser Asp Gly Ile Arg Leu Lys Lys Tyr Arg Gly Met Gly Ser Leu Asp

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/853,918

DATE: 06/18/2001

TIME: 15:37:32

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\06182001\I853918.raw

L:33 M:270 C: Current Application Number differs, Replaced Current Application Number

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/853,918

DATE: 06/01/2001

TIME: 13:14:39

Input Set : A:\Krysus.app

Output Set: C:\CRF3\06012001\I853918.raw

Does Not Comply
Corrected Diskette Needed

3 <110> APPLICANT: Krystek, Stanley R.
 4 Sheriff, Steven
 5 Witmer, Mark R.
 6 Hollenbaugh, Diane L.
 7 Yan, Ning
 8 Mouravieff, Julie E.
 9 Einspahr, Howard M.
 10 Kish, Kevin
 12 <120> TITLE OF INVENTION: MODIFIED INOSINE 5'-MONOPHOSPHATE DEHYDROGENASE
 13 POLYPEPTIDES AND USES THEREOF
 15 <130> FILE REFERENCE: DB24NP
C--> 17 <140> CURRENT APPLICATION NUMBER: US/09/853,918
 18 <141> CURRENT FILING DATE: 2001-05-10
 20 <150> PRIOR APPLICATION NUMBER: 60/203,448
 21 <151> PRIOR FILING DATE: 2000-05-10
 23 <160> NUMBER OF SEQ ID NOS: 65
 25 <170> SOFTWARE: PatentIn Ver. 2.0
 27 <210> SEQ ID NO: 1
 28 <211> LENGTH: 3
 29 <212> TYPE: PRT
 30 <213> ORGANISM: Homo sapiens
 32 <400> SEQUENCE: 1
 33 Asp Lys Thr
 34 1
 37 <210> SEQ ID NO: 2
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 39 <212> TYPE: PRT
 40 <213> ORGANISM: Homo sapiens
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 43 Thr Pro Ile
 44 1
 47 <210> SEQ ID NO: 3
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 54 1
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 59 <212> TYPE: PRT
 60 <213> ORGANISM: Homo sapiens
 62 <400> SEQUENCE: 4
 63 Ser Ala His
 64 1
 67 <210> SEQ ID NO: 5
 68 <211> LENGTH: 3

RAW SEQUENCE LISTING

DATE: 06/01/2001

PATENT APPLICATION: US/09/853,918

TIME: 13:14:39

Input Set : A:\Krysus.app

Output Set: C:\CRF3\06012001\I853918.raw

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83 Ile Val Asp
84 1
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89 <212> TYPE: PRT
90 <213> ORGANISM: Homo sapiens
92 <400> SEQUENCE: 7
93 Ala Leu Phe
94 1
97 <210> SEQ ID NO: 8
98 <211> LENGTH: 3
99 <212> TYPE: PRT
100 <213> ORGANISM: Homo sapiens
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117 <210> SEQ ID NO: 10
118 <211> LENGTH: 3
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132 <400> SEQUENCE: 11
133 Gly Ser Ser Trp
134 1
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RAW SEQUENCE LISTING

DATE: 06/01/2001

PATENT APPLICATION: US/09/853,918

TIME: 13:14:39

Input Set : A:\Krysus.app

Output Set: C:\CRF3\06012001\I853918.raw

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153 Asn Ile Ile Pro
154 1
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/853,918

DATE: 06/01/2001

TIME: 13:14:39

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230 35 40 45
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233 50 55 60
235 Leu Val Ser Ser Pro Met Asp Thr Val Thr Glu Ala Gly Met Ala Ile
236 65 70 75 80
238 Ala Met Ala Leu Thr Gly Gly Ile Gly Phe Ile His His Asn Cys Thr
239 85 90 95
241 Pro Glu Phe Gln Ala Asn Glu Val Arg Lys Val Lys Lys Tyr Asp Lys
242 100 105 110
244 Thr Leu Leu Cys Gly Ala Ala Ile Gly Thr His Glu Asp Asp Lys Tyr
245 115 120 125
247 Arg Leu Asp Leu Leu Ala Gln Ala Gly Val Asp Val Val Val Leu Asp
248 130 135 140
250 Ser Ser Gln Gly Asn Ser Ile Phe Gln Ile Asn Met Ile Lys Tyr Ile
251 145 150 155 160
253 Lys Asp Lys Tyr Pro Asn Leu Gln Val Ile Gly Gly Asn Val Val Thr
254 165 170 175
256 Ala Ala Gln Ala Lys Asn Leu Ile Asp Ala Gly Val Asp Ala Leu Arg
257 180 185 190
259 Val Gly Met Gly Ser Gly Ser Ile Cys Ile Thr Gln Glu Val Leu Ala
260 195 200 205
262 Cys Gly Arg Pro Gln Ala Thr Ala Val Tyr Lys Val Ser Glu Tyr Ala
263 210 215 220
265 Arg Arg Phe Gly Val Pro Val Ile Ala Asp Gly Gly Ile Gln Asn Val
266 225 230 235 240
268 Gly His Ile Ala Lys Ala Leu Ala Leu Gly Ala Ser Thr Val Met Met
269 245 250 255
271 Gly Ser Leu Leu Ala Ala Thr Thr Glu Ala Pro Gly Glu Tyr Phe Phe
272 260 265 270
274 Ser Asp Gly Ile Arg Leu Lys Lys Tyr Arg Gly Met Gly Ser Leu Asp
275 275 280 285
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278 290 295 300
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RAW SEQUENCE LISTING

DATE: 06/01/2001

PATENT APPLICATION: US/09/853,918

TIME: 13:14:39

Input Set : A:\Krysus.app

Output Set: C:\CRF3\06012001\I853918.raw

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283 Gly Ser Ile His Lys Phe Val Pro Tyr Leu Ile Ala Gly Ile Gln His
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287          340          345          350
289 Met Tyr Ser Gly Glu Leu Lys Phe Glu Lys Arg Thr Ser Ser Ala Gln
290          355          360          365
292 Val Glu Gly Gly Val His Ser Leu His Ser Tyr Glu Lys Arg Leu Phe
293          370          375          380
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300 <211> LENGTH: 384
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309          20          25          30
311 Asn Asp Phe Leu Ile Leu Pro Gly Tyr Ile Asp Phe Thr Ala Asp Gln
312          35          40          45
314 Val Asp Leu Thr Ser Ala Leu Thr Lys Lys Ile Thr Leu Lys Thr Pro
315          50          55          60
317 Leu Val Ser Ser Pro Met Asp Thr Val Thr Glu Ala Gly Met Ala Ile
318 65          70          75          80
320 Ala Met Ala Leu Thr Gly Gly Ile Gly Phe Ile His His Asn Cys Thr
321          85          90          95
323 Pro Glu Phe Gln Ala Asn Glu Val Arg Lys Val Lys Lys Tyr Thr Pro
324          100          105          110
326 Ile Leu Leu Cys Gly Ala Ala Ile Gly Thr His Glu Asp Asp Lys Tyr
327          115          120          125
329 Arg Leu Asp Leu Leu Ala Gln Ala Gly Val Asp Val Val Val Leu Asp
330          130          135          140
332 Ser Ser Gln Gly Asn Ser Ile Phe Gln Ile Asn Met Ile Lys Tyr Ile
333 145          150          155          160
335 Lys Asp Lys Tyr Pro Asn Leu Gln Val Ile Gly Gly Asn Val Val Thr
336          165          170          175
338 Ala Ala Gln Ala Lys Asn Leu Ile Asp Ala Gly Val Asp Ala Leu Arg
339          180          185          190
341 Val Gly Met Gly Ser Gly Ser Ile Cys Ile Thr Gln Glu Val Leu Ala
342          195          200          205
344 Cys Gly Arg Pro Gln Ala Thr Ala Val Tyr Lys Val Ser Glu Tyr Ala
345          210          215          220
347 Arg Arg Phe Gly Val Pro Val Ile Ala Asp Gly Gly Ile Gln Asn Val
348 225          230          235          240
350 Gly His Ile Ala Lys Ala Leu Ala Leu Gly Ala Ser Thr Val Met Met
351          245          250          255
353 Gly Ser Leu Leu Ala Ala Thr Thr Glu Ala Pro Gly Glu Tyr Phe Phe
354          260          265          270
356 Ser Asp Gly Ile Arg Leu Lys Lys Tyr Arg Gly Met Gly Ser Leu Asp

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/853,918

DATE: 06/01/2001

TIME: 13:14:40

Input Set : A:\Krysus.app

Output Set: C:\CRF3\06012001\I853918.raw

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L:2422 M:285 W: Invalid Journal Date Format:Use YYYY-MM-DD,Mon-YYYY,Season-YYYY,or YYYY,
SEQ:62
L:2539 M:285 W: Invalid Journal Date Format:Use YYYY-MM-DD,Mon-YYYY,Season-YYYY,or YYYY,
SEQ:63
L:2772 M:285 W: Invalid Journal Date Format:Use YYYY-MM-DD,Mon-YYYY,Season-YYYY,or YYYY,
SEQ:65